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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/725,099	12/01/2003	Siamak Poursabahan	224112	1763

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TWO PRUDENTIAL PLAZA, SUITE 4900
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EXAMINER

DAO, MINH D

ART UNIT	PAPER NUMBER
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2618

SHORTENED STATUTORY PERIOD OF RESPONSE	MAIL DATE	DELIVERY MODE
3 MONTHS	01/05/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

Office Action Summary

Application No.

10/725,099

Applicant(s)

POURSABAHIAN ET AL.

Examiner

MINH D. DAO

Art Unit

2618

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-21 is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 19-21 is/are allowed.
- 6) ☒ Claim(s) 1-8, 10, 13, 15 is/are rejected.
- 7) ☒ Claim(s) 9, 11, 12, 14 and 16-18 is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on ____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. ____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date ____.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. ____.
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: ____.

DETAILED ACTION

Claim Objections

1. The claims are objected to because they include reference characters which are not enclosed within parentheses.

Reference characters corresponding to elements recited in the detailed description of the drawings and used in conjunction with the recitation of the same element or group of elements in the claims should be enclosed within parentheses so as to avoid confusion with other numbers or characters which may appear in the claims. See MPEP § 608.01(m).

Regarding claims 10,15,19,20,21, all abbreviations should be clarified as indicated in claims 1.

Claim Rejections - 35 USC § 112

2. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

3. Claim 7 is rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention (regarding the term "balancing scheme").

*Any way to elaborate as to why it's indefinite?
Or is it just really broad?*

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

2. Claims 1-8 are rejected under 35 U.S.C. 102(e) as being anticipated by Hong et al. (US 7,106,757).

Regarding claim 1, Hong teaches a system for implementing personal area networking on a local machine having one or more local Bluetooth devices, the system comprising:

a list of device control blocks (DCBs), wherein a DCB is associated with a local Bluetooth device (see figs. 4-6; col. 6, lines 17-57); and

a list of connection control blocks (CCBs) associated with a DCB, wherein a CCB is associated with a remote Bluetooth device having a connection to a local Bluetooth device (see figs. 4-6; col. 6, lines 17-57).

Regarding claim 2, Hong teaches the system of claim 1, further comprising:

a transmit packet queue associated with each CCB; and

a receive packet queue associated with each CCB (see figs. 5 and 6; col. 6, lines 17-57).

Regarding claim 3, Hong teaches the system of claim 2, further comprising: an additional transmit packet queue (see figs. 5 and 6; col. 6, lines 17-57).

Regarding claim 4, Hong teaches the system of claim 3 wherein the additional transmit packet queue supports a priority scheme (see figs. 5 and 6; col. 6, lines 17-57). The time-based service of Hong reads on the priority scheme of the present invention.

Regarding claim 5, Hong teaches the system of claim 3 wherein the additional transmit packet queue supports a quality-of-service scheme (see fig. 2; col. 3, lines 37-54).

Regarding claim 6, Hong teaches the local machine has at least two local Bluetooth devices, wherein selection of a local device for establishing a connection to a remote device is performed randomly (see figs. 5 and 6; col. 6, lines 17-57). The "established connection with a remote device" reads on the "random connection to a remote device" of the present invention.

Regarding claim 7, Hong teaches that the local machine has at least two local Bluetooth devices, wherein selection of a local device for establishing a connection to a remote device is based on a balancing scheme (see figs. 5 and 6; col. 6, lines 17-57).

Regarding claim 8, the claim includes the limitations as that of claim 1, and therefore is interpreted and rejected for the same reason set forth in the rejection of claim 1.

3. Claims 10,13 are rejected under 35 U.S.C. 102(e) as being anticipated by Giroti (US 2004/0034723).

Regarding claim 10, Giroti teaches a method for controlling a connection on a Bluetooth PAN device, the method comprising:

- controlling state of an L2CAP connection control block (CCB); and
- controlling state of a BNEP CCB (see section [0075]).

Regarding claim 13, Giroti teaches a system for enabling personal area networking on a Bluetooth device, the system comprising:
a finite state machine associated with a device control block (DCB) (see section [0075]). In this case, the L2CAP and BNEP protocols of Giroti read on the finite state machine of the present invention.

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Regarding claim 15, Giroti teaches a system for controlling a connection on a Bluetooth PAN device, the system comprising:

a finite state machine associated with an L2CAP connection control block (CCB);
and a finite state machine associated with a BNEP CCB (see section [0075]).

Allowable Subject Matter


4. Claims 19-21 are allowed.
5. Claims 9,11,12,14,16-18 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to MINH D. DAO whose telephone number is 571-272-7851. The examiner can normally be reached on 8:30 AM - 5:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, MATTHEW ANDERSON can be reached on 571-272-4177. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Minh Dao 
AU 2618
January 3, 2006


Matthew Anderson
Supervisor AU 2618